

# SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 8/19/06 Serial # 10/60,547 Priority Application Date 12/27/02

Your Name M. Lewis Examiner # 73172

AU 2822 Phone 212-1838 Room 5A30

In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: \_\_\_\_\_

*Need before 8/26*

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs \_\_\_\_\_ Nonpatent Literature \_\_\_\_\_ Teaching Refs \_\_\_\_\_  
Secondary Refs \_\_\_\_\_ Foreign Patents \_\_\_\_\_ Other \_\_\_\_\_

Is this a "Fast & Focused Search" request? (Circle One) YES NO

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

*Claims 5-24-38*

*Calibrated*

*Problem: See pages 1-4*

*Solution: 11 11 5-7*

*US 5,665,981 2004/0202542  
6,492,661*

## Staff Use Only

Searcher: M. Mims

Searcher Phone: 25928

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 8/22/06

Date Completed: 8/23/06

Searcher Prep/Rev Time: 3:00

Online Time: 109

## Type of Search

Structure (#) \_\_\_\_\_

Bibliographic ☒

Litigation \_\_\_\_\_

Fulltext \_\_\_\_\_

Patent Family \_\_\_\_\_

Other \_\_\_\_\_

## Vendors

STN \_\_\_\_\_

Dialog \_\_\_\_\_

Questel/Orbit \_\_\_\_\_

Lexis-Nexis \_\_\_\_\_

WWW/Internet \_\_\_\_\_

Other \_\_\_\_\_

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(FILE 'HOME' ENTERED AT 09:53:45 ON 23 AUG 2006)

FILE 'REGISTRY' ENTERED AT 09:53:59 ON 23 AUG 2006

L1	204	SEA	ABB=ON	PLU=ON	AU.SN/MF
L2	14	SEA	ABB=ON	PLU=ON	AU SN/ELF
L3	49504	SEA	ABB=ON	PLU=ON	IN/ELS
L4	376	SEA	ABB=ON	PLU=ON	AG.AU/MF
L5	83	SEA	ABB=ON	PLU=ON	AG AU/ELF
L6	633	SEA	ABB=ON	PLU=ON	PB.SN/MF
L7	17	SEA	ABB=ON	PLU=ON	PB SN/ELF
L8	49	SEA	ABB=ON	PLU=ON	GA.N/MF
L9	120	SEA	ABB=ON	PLU=ON	GA N/ELF

FILE 'CAPLUS' ENTERED AT 09:56:39 ON 23 AUG 2006

L10	226946	SEA	ABB=ON	PLU=ON	(L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7)
L11	28713	SEA	ABB=ON	PLU=ON	(L8 OR L9)
L12	699180	SEA	ABB=ON	PLU=ON	LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO? OR EL OR PL OR PLED OR FLED OR OLED
L13	54094	SEA	ABB=ON	PLU=ON	N(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?)
L14	36821	SEA	ABB=ON	PLU=ON	P(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?)
L15	2907325	SEA	ABB=ON	PLU=ON	ADHESIVE? OR ADHER? OR BIND? OR BOND? OR RESIN? OR EXPOX?
L16	35022	SEA	ABB=ON	PLU=ON	ACTIVE(4W) (AREA OR REGION OR SECTION OR PART OR DOMAIN OR FIELD)
L17	3687	SEA	ABB=ON	PLU=ON	L10(L) L15
L18	1	SEA	ABB=ON	PLU=ON	L11 AND L12 AND L13 AND L14 AND L16 AND L17 D IBIB ABS HITSTR HITIND
L19	10	SEA	ABB=ON	PLU=ON	L11 AND L12 AND L13 AND L14 AND L17
L20	9	SEA	ABB=ON	PLU=ON	L19 NOT L18 D IBIB ABS HITSTR HITIND 1-9

FILE 'INSPEC, COMPENDEX' ENTERED AT 10:10:10 ON 23 AUG 2006

FILE 'INSPEC' ENTERED AT 10:11:19 ON 23 AUG 2006

L21	356	SEA	ABB=ON	PLU=ON	(AU BIN(S) SN BIN)/CHI
L22	372	SEA	ABB=ON	PLU=ON	(AG BIN(S) AU BIN)/CHI
L23	2323	SEA	ABB=ON	PLU=ON	(PB BIN(S) SN BIN)/CHI
L24	86850	SEA	ABB=ON	PLU=ON	IN/CHI
L25	18750	SEA	ABB=ON	PLU=ON	(GA BIN(S) N BIN)/CHI
L26	89698	SEA	ABB=ON	PLU=ON	(L21 OR L22 OR L23 OR L24)
L27	3327	SEA	ABB=ON	PLU=ON	L25 AND L26
L28	294089	SEA	ABB=ON	PLU=ON	LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO? OR EL OR PL OR PLED OR FLED OR OLED
L29	16530	SEA	ABB=ON	PLU=ON	N(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?)
L30	12557	SEA	ABB=ON	PLU=ON	P(4W) (LAYER OR AREA OR REGION OR LAMINA? OR IMPUR?)
L31	304038	SEA	ABB=ON	PLU=ON	ADHESIVE? OR ADHER? OR BIND? OR BOND? OR RESIN? OR EXPOX?
L32	24403	SEA	ABB=ON	PLU=ON	ACTIVE(4W) (AREA OR REGION OR SECTION OR PART OR DOMAIN OR FIELD)

EIC 2800 MARY S. MIMS 272-5928

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L33 0 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30 AND  
L31 AND L32  
L34 1 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30 AND  
L31  
D IALL  
L35 15 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30  
L36 14 SEA ABB=ON PLU=ON L35 NOT L34  
D IALL 1-15

FILE 'INSPEC' ENTERED AT 10:25:40 ON 23 AUG 2006

FILE 'WPIX' ENTERED AT 10:26:43 ON 23 AUG 2006

L37 601885 SEA ABB=ON PLU=ON GOLD OR TIN OR AU OR SN OR IN OR INDIUM OR  
SILVER OR AG OR PB OR LEAD  
L38 112750 SEA ABB=ON PLU=ON L37 (L) L15  
L39 268869 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO?  
OR EL OR PL OR PLED OR FLED OR OLED  
L40 33091 SEA ABB=ON PLU=ON N(4W) (LAYER OR AREA OR REGION OR LAMINA?  
OR IMPUR?)  
L41 28962 SEA ABB=ON PLU=ON P(4W) (LAYER OR AREA OR REGION OR LAMINA?  
OR IMPUR?)  
L42 1665836 SEA ABB=ON PLU=ON ADHESIVE? OR ADHER? OR BIND? OR BOND? OR  
RESIN? OR EXPOX?  
L43 26168 SEA ABB=ON PLU=ON ACTIVE(4W) (AREA OR REGION OR SECTION OR  
PART OR DOMAIN OR FIELD)  
L44 6230 SEA ABB=ON PLU=ON GAN OR GALLIUM NITRIDE OR GA NITRIDE  
L45 8 SEA ABB=ON PLU=ON L38 AND L39 AND L40 AND L41 AND L42 AND  
L43 AND L44  
D IFULL 1-8

FILE 'DPCI' ENTERED AT 10:43:27 ON 23 AUG 2006

L46 2 SEA ABB=ON PLU=ON (US5665986 OR US6492661)/PN  
L47 1 SEA ABB=ON PLU=ON US5665986/PN  
SEL PN.D PN.G

FILE 'WPIX' ENTERED AT 10:49:32 ON 23 AUG 2006

L48 22 SEA ABB=ON PLU=ON (US6984840/PN OR US5218216/PN OR US5278433/  
PN OR US5281830/PN OR US5369289/PN OR US5523589/PN OR US5578839  
/PN OR US6030848/PN OR DE19725900/PN OR NOCITATIONS/PN OR  
US5400740/PN OR US5834325/PN OR US5851905/PN OR US5863811/PN  
OR US5909040/PN OR US5962875/PN OR US6031252/PN OR US6091083/PN  
OR US6096130/PN OR US6177292/PN OR US6194742/PN OR US6274399/P  
N OR US6559467/PN)

FILE 'DPCI' ENTERED AT 10:50:30 ON 23 AUG 2006

L49 1 SEA ABB=ON PLU=ON US6492661/PN

FILE 'WPIX' ENTERED AT 10:51:36 ON 23 AUG 2006

L50 0 SEA ABB=ON PLU=ON L48 AND L38 AND L44  
D L48 TI 1-10  
D L48 IALL 1-22  
L51 87311 SEA ABB=ON PLU=ON SAPPHIRE OR AL2O3 OR (AL OR ALUMINIUM OR  
ALUMINUM) (W) (OXIDE)  
L52 1321880 SEA ABB=ON PLU=ON REMOV? OR (POLISH? OR TAKE? OR CUT?) (2W) (AW  
AY OR OFF) OR WITHDRAW?  
L53 7931 SEA ABB=ON PLU=ON L51 (L) L52  
L54 0 SEA ABB=ON PLU=ON 39 AND L40 AND L41 AND L44 AND L53

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L55 86 SEA ABB=ON PLU=ON L39 AND L44 AND L53  
L56 16 SEA ABB=ON PLU=ON L38 AND L55  
L57 14 SEA ABB=ON PLU=ON L56 NOT L45  
L58 14 SEA ABB=ON PLU=ON L57 NOT L48  
D IALL 1-14

FILE 'CAPLUS' ENTERED AT 11:28:41 ON 23 AUG 2006

L59 605 SEA ABB=ON PLU=ON L10 AND L11 AND L12 AND L13 AND L14  
L60 29910 SEA ABB=ON PLU=ON L51(L)L52  
L61 7 SEA ABB=ON PLU=ON L59 AND L60  
L62 6 SEA ABB=ON PLU=ON L61 NOT L19  
D IBIB ABS HITSTR HITIND 1-6

FILE 'JAPIO, KOREAPAT' ENTERED AT 11:31:58 ON 23 AUG 2006

L63 231553 SEA ABB=ON PLU=ON L12  
L64 55512 SEA ABB=ON PLU=ON L13  
L65 45399 SEA ABB=ON PLU=ON L14  
L66 1048749 SEA ABB=ON PLU=ON L15  
L67 14428 SEA ABB=ON PLU=ON L16  
L68 6903568 SEA ABB=ON PLU=ON L37  
L69 3775 SEA ABB=ON PLU=ON L44  
L70 494 SEA ABB=ON PLU=ON L63 AND L64 AND L65 AND L68 AND L69  
L71 1445 SEA ABB=ON PLU=ON L53  
L72 23 SEA ABB=ON PLU=ON L70 AND L71  
L73 23 DUP REM L72 (0 DUPLICATES REMOVED)  
D IALL 1-23

FILE 'INSPEC' ENTERED AT 11:38:56 ON 23 AUG 2006

L74 11 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L53  
L75 11 SEA ABB=ON PLU=ON L74 NOT L35  
D IALL 1-11